

af - Cutouts, Distribution, Open

Manufacturer	Type	Voltage Rating
ABB	ICX	15, 27 kV
	LBU-II	15, 27 kV
Cooper Power Systems	S1	15, 27 kV
	L	15, 27 kV
Hubbell (Chance)	C	15, 27, 35 kV
	C (loadbreak)	15, 27, 35 kV
	C-Polymer	15 kV
	C-Polymer (Loadbreak)	15 kV
Kearney/Cooper Power Systems	HX	15, 27 kV
Power Line Hardware	DHC	15, 27 kV
	SIL (polymer)	15, 27 kV
S & C Electric	XS	15, 27 kV
Southern States	Series 66	15, 27 kV
	Series 70	15 kV

NOTE: The buyer should specify the load rating, voltage rating, interrupting rating and required accessories.

Cutouts used on underground riser poles should be loadbreak type or have hooks for portable load interrupters.

af - Cutout, open-link fuse support

Manufacturer	Mounting	12.5/7.2 kV 50 amp.	24.9/14.4 kV 50 amp.
Cooper Power Systems	Crossarm	FT1A2	FT1A4
	Bushing	FT10A3	-
Kearney/Cooper Power Systems	Crossarm	6484-55	-
	Bushing	6483-59	-

NOTE: The open link fuse supports listed above are fuse supports only and have no inherent interrupting capacity. They should be used with fuse links capable of interrupting at least 1200 amperes and for transformer protection only.

Conditional List
af(1)
March 24, 2005

af - Cutouts, Distribution, Open
with Linkbreak Attachment

Manufacturer	Type	Voltage Rating	Conditions
Hubbell	C	15, 27 kV	1. To obtain experience. 2. Limited to 100 amp cutouts. 3. To be used only with Hubbell (Chance), Cooper and Kearney fuses. Will not break S&C and some other fuse types.
	C-Polymer	15 kV	1. To obtain experience. 2. Limited to 100 amp cutouts. 3. To be used only with Hubbell (Chance), Cooper and Kearney fuses. Will not break S&C and some other fuse types.

Conditional List
av(3)
March 24, 2005

av - Conductor, Service
(Single and Multi Conductor)

Manufacturer	Conditions
<u>Southwire</u> SIW (Single input wire) type construction in accordance with ASTM B 901.	1. To obtain experience.

Applicable Specification: ICEA-NEMA Standard S-66-524

Insulation: Cross-linked thermosetting polyethylene or equal.

Conductor: HD (Aluminum 1350) aluminum

Marking: Manufacturer's name and type of insulation shall be clearly shown in durable markings on the surface of the insulation at intervals no greater than 24 inches.

ax - Cutout and Arrester, Combination

Nominal System Voltage		<u>For 12.5Y/7.2 kV</u>		<u>For 13.2Y/7.6 kV</u>		<u>For 24.9Y/14.4 kV</u>	
Cutout Max. Voltage Rating		<u>7.8 kV</u>	<u>15 kV</u>	<u>15 kV</u>	<u>18 kV</u>	<u>27 kV</u>	
Application							
Cutout Current Rating		1ø Trans. <u>50*</u>	1ø Sect. <u>100</u>	3ø Bank 3ø Sect. <u>100</u>	1ø Trans. <u>50*</u>	1ø Sect. <u>100</u>	3ø Bank 3ø Sect. <u>100</u>
Manufacturer	Type Mounting	Catalog Numbers					
ABB	Crossarm Crossarm (L)		7.8 NCX/9 LVG 7.8 LBU-II/9 LVG	15 NCX/10 LVG 15 LBU-II/10 LVG		15 NCX/10 LVG 15 LBU-II/10 LVG	24.9 NCX/18 LVG 24.9 LBU-II/18 LVG
Cooper	Crossarm (L) Transformer Crossarm	AFZS110M010	AFZS510B Series L4A1P1A00-BDOA	AFZS510C Series L4A1P1A00-BDOA	AFZS110M010	AFZS510C Series L4A1P1A00-BDOA	AFZS518D Series L9CAP1A00-BGOA
Hubbell	Crossarm Transformer Crossarm		C7 Series	C7 Series CP7 Series (Polymer)		C7 Series	C7 Series
Kearney/Cooper Power Systems	Crossarm Transformer			KE3AB110E-110		KE4AB110E-110	KE7BD109E-110
		294072			294073		294074

Either normal duty or heavy duty distribution class arresters listed on page ae-1 are acceptable for use with these combination units.

*These cutouts have open links and must not be used where fault currents are high or for sectionalizing.

(L) Indicates loadbreak type is available.

U hv - Cable, Underground

600 Volt Cable

(Alternative Cable Constructions)

Applicable Specification: RUS Specification U-2 (except as indicated below)

NOTE: Manufacturers listed below are conditionally accepted for alternatives A, B, C, and/or D for the products listed on pages U hv-2 and U hv-3.

Alternative A: 8000 series aluminum alloy in accordance with ASTM B800 or B801.

Alternative B: Stranding in accordance with ASTM B786 for aluminum 1350 conductors or ASTM B787 for copper conductors.

Alternative C: Abuse resistant (ruggedized) (single or two layer) insulation in accordance with ICEA S-81-570.

Alternative D: Self-healing

Alternative E: Stranding in accordance with ASTM B 901 for Compressed Round Stranded Aluminum Conductors Using Single Input Wire Construction

Condition: To obtain experience.

<u>Manufacturer</u>	<u>Alternative</u>
Alcan	(C)
BICC	(A) (C)
Pirelli	(A) (C) (D)
Nexans	(C)
Southwire	(A) (B) (C) (D) (E)